

Project Name: Katanning land resources survey
Project Code: KLC **Site ID:** 1799 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By: Heather Percy	Locality:
Date Desc.: 29/06/94	Elevation: 305 metres
Map Ref.:	Rainfall: No Data
Northing/Long.: 6250520 AMG zone: 50	Runoff: No Data
Easting/Lat.: 591780 Datum: AGD84	Drainage: Moderately well drained

Geology

ExposureType: Auger boring	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating rises 9-30m 1-3% **Pattern Type:** Rises

Morph. Type: Upper-slope	Relief: 10 metres
Elem. Type: Hillslope	Slope Category: No Data
Slope: 2 %	Aspect: 0 degrees

Surface Soil Condition

Erosion: (wind); (sheet) (rill) (gully)

Soil Classification

Australian Soil Classification: N/A	Mapping Unit: N/A
ASC Confidence: Confidence level not specified	Principal Profile Form: Dy5.41
	Great Soil Group: N/A

Site Cultivation. Rainfed

Vegetation:

Surface Coarse No surface coarse fragments; No surface coarse fragments

Profile

A1	0 - 0.05 m	Greyish brown (10YR5/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Field pH 6 (Raupach); Abrupt change to -
A2	0.05 - 0.08 m	Light brownish grey (10YR6/2-Moist); , 0-0% ; Clayey sand; Single grain grade of structure; Sandy (grains prominent) fabric; Moderately moist; Field pH 5.5 (Raupach); Abrupt change to -
B21	0.08 - 0.4 m	Yellowish red (5YR5/6-Moist); , 0-0% ; Medium clay; Moderate grade of structure; Rough-ped fabric; Moderately moist; Field pH 4.5 (Raupach); Clear change to -
B22	0.4 - 0.55 m	Red (2.5YR4/6-Moist); Mottles, 5YR6/2, 10-20% , 30-mm, Distinct; Medium clay; Strong grade of structure; Smooth-ped fabric; Moderately moist; Field pH 4.5 (Raupach); Clear change to -
B3	0.55 - 0.7 m	Reddish brown (5YR5/4-Moist); , 0-0% ; Light medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Field pH 4.5 (Raupach); Clear change to -
C	0.7 - 0.8 m	Reddish yellow (7.5YR7/6-Moist); , 0-0% ; Clay loam; Massive grade of structure; Dry; Field pH 5 (Raupach);

Morphological Notes

B21	Kaolinitic clay
B22	Kaolinitic clay.
B3	Kaolinitic clay
C	Kaolinitic clay

Observation Notes

Site Notes

Site along the road reserve of Jackitup West Road. n

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.08 - 0.28	4B 4.4H	61B	0.68H	4.7	0.34	3.1	<0.02J		8.82D	

Depth	CaCO3	Organic C Clay	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS Silt
0.08 - 0.28								44I
50.5								5.5

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15E1_AL	Exchangeable Al - by compulsive exchange, no pretreatment for soluble salts
15E1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) by compulsive exchange, no pretreatment for soluble salts
15E1_K	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MG	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15E1_MN	Exchangeable bases (Mn2+) by compulsive exchange, no pretreatment for soluble salts
15E1_NA	Exchangeable bases, CEC and AEC by compulsive exchange, no pretreatment for soluble salts
15J_BASES	Sum of Bases
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
P10_NR_C	Clay (%) - Not recorded
P10_NR_S	Sand (%) - Not recorded
P10_NR_Z	Silt (%) - Not recorded